

Name: _____

Date: _____

Math Journal

Module 3

Lessons

1 - 38

Read:

Tommy's dad is teaching him how to make tables out of tiles. Tommy makes a small table that is 3 feet wide and 4 feet long. How many square-foot tiles does he need to cover the top of the table? How many feet of decorative border material will his dad need to cover the edges of the table?

Draw:**Write:**

Read:

Samantha received an allowance of \$3 every week. By babysitting, she earned an additional \$30 every week. How much money did Samantha have n four weeks, combining her allowance and her babysitting?

Draw:**Write:**

Read:

There are 400 children at Park Elementary School. Park High School has 4 times as many students.

How many students in all attend both schools?

Lane High School has 5 times as many students as Park Elementary. How many more students attend Lane High School than Park High School?

Draw:**Write:**

Read:

The basketball team is selling t-shirts for \$9 each. On Monday, they sold 4 t-shirts. On Tuesday, they sold 5 times as many t-shirts as on Monday. How much money did the team earn altogether on Monday and Tuesday?

Draw:**Write:**

Read:

Andre bought a stamp to mail a letter. The stamp costs 46 cents. Andre also mailed a package. The postage to mail the package costs 5 times as much as the cost of the stamp. How much did it cost to mail the package and letter?

Draw:**Write:**

Read:

Calculate the total amount of milk in three cartons if each carton contains 236 mL of milk.

Draw:**Write:**

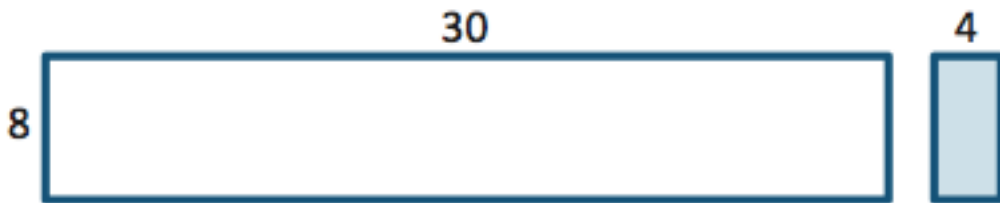
Read:

The principal wants to buy 8 pencils for every student at her school. If there are 859 students, how many pencils does the principal need to buy?

Draw:**Write:**

Read:

Write an equation for the area of each rectangle. Then, find the sum of the two areas.

Draw:**Write:**

Read:

Tyler planted potatoes, oats, and corn. He planted 23 acres of potatoes. He planted 3 times as many acres of oats as potatoes, and he planted 4 times as many acres of corn as oats. How many acres did Tyler plant with potatoes, oats, and corn in all?

Draw:**Write:**

Read:

Chandra printed 38 photos to put into her scrapbook. If she can fit 4 photos on each page, how many pages will she use for her photos?

Draw:**Write:**

Read:

Audrey and her sister found 9 dimes and 8 pennies. If they share the money equally, how much money will each sister get?

Draw:**Write:**

Read:

Malory's family is going to buy oranges. The Grand Market sells oranges at 3 pounds for 87 cents. How much does 1 pound of oranges cost at Grand Market?

Draw:**Write:**

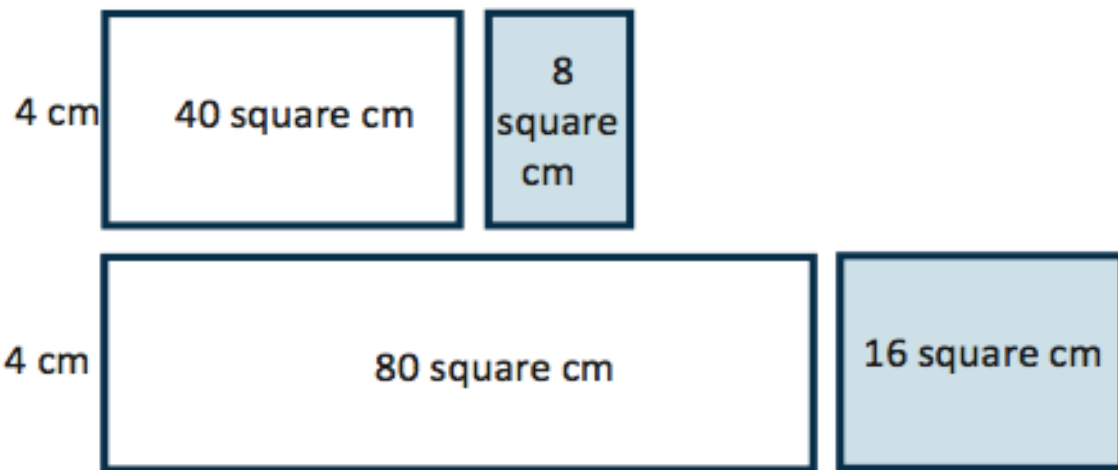
Read:

Two friends start a business writing and selling comic books. After 1 month, they have earned \$38. Show how they can share their earnings fairly, using \$1, \$5, \$10, and/or \$20 bills.

Draw:**Write:**

Read:

Write an expression to find the unknown length of each rectangle. Then, find the sum of the two unknown lengths.

Draw:**Write:**

Read:

A rectangle has an area of 36 square units and a width of 2 units. What is the unknown side length?

Draw:**Write:**

Read:

$8 \times \underline{\quad} = 96$. Find the unknown side length, or factor. Use an area model to solve the problem.

Draw:

Use an area model to solve the problem.

Write:

Read:

Sasha says that every number in the twenties is a composite number because 2 is even.

Amanda says there are two prime numbers in the twenties. Who is correct? How do you know?

Draw:**Write:**

Who is correct? How do you know?

Read:

8 cm x 12 cm = 96 square centimeters. Imagine a rectangle with an area of 96 square centimeters and a side length of 4 centimeters. What is the length of its unknown side? How will it look when compared to the 8 centimeter by 12 centimeter rectangle? Draw and label both rectangles.

Draw:

Draw and label both rectangles.

Write:

Read:

A coffee shop uses 8-ounce mugs to make all of its coffee drinks. In one week, they served 30 mugs of espresso, 400 lattes, and 5,000 mugs of coffee. How many ounces of coffee drinks did they make in that one week?

Draw:**Write:**

Read:

Emma takes 57 stickers from her collection and divides them up equally between 4 of her friends. How many stickers will each friend receive? Emma puts the remaining stickers back in her collection. How many stickers will Emma return to her collection?

Draw:**Write:**

Read:

Use $846 \div 2$ to write a word problem. Then, draw an accompanying tape diagram and solve.

Draw:

Draw an accompanying tape diagram and solve.

Write:

Use $846 \div 2$ to write a word problem.

Read:

Janet uses 4 feet of ribbon to decorate each pillow. The ribbon comes in 225-foot rolls. How many pillows will she be able to decorate with one roll of ribbon? Will there be any ribbon left over?

Draw:**Write:**

Read:

The store wanted to put 1,455 bottles of juice into packs of 4. How many complete packs can they make? How many more bottles do they need to make another pack?

Draw:**Write:**

Read:

1,624 shirts need to be sorted into 4 equal groups. How many shirts will be in each group?

Draw:**Write:**

Read:

Use the tape diagram to create a division word problem that solves for the unknown, the total number of threes in 4,194. Switch word problems with a partner and solve.

Draw:

Use the tape diagram

Write:

Create a division word problem that solves for the unknown

Read:

Write an equation to find the unknown length of each rectangle. Then, find the sum of the two unknown lengths.

Draw:

3 m

600 square m

3 m

72 square
m**Write:**

Read:

Mr. Goggins planted 10 rows of beans, 10 rows of squash, 10 rows of tomatoes, and 10 rows of cucumbers in his garden. He put 22 plants in each row. Draw an area model, label each part, and then write an expression that represents the total number of plants in the garden.

Draw:

Draw an area model and label each part.

Write:

Write an expression that represents the total number of plants in the garden.

Read:

For 30 days out of one month, Katie exercised for 25 minutes a day. What is the total number of minutes that Katie exercised? Solve using a place value chart.

Draw:**Write:**

Read:

Mr. Goggins set up 30 rows of chairs in the gymnasium. If each row had 35 chairs, how many chairs did Mr. Goggins set up? Draw an area model to represent and to help solve this problem. Discuss with a partner how the area model can help you solve 30×35 .

Draw:

Draw an area model to represent and to help solve this problem.

Write:

Discuss with a partner how the area model can help you solve 30×35 .

Read:

Sylvie's teacher challenged the class to draw an area model to represent the expression 24×56 and then to solve using partial products. Sylvie solved the expression as seen to the right. Is her answer correct? Why or why not?

Draw:**Write:**

Read:

Sandy's garden has 42 plants in each row. She has 2 rows of yellow corn and 20 rows of white corn.

Draw an area model (representing two partial products) to show how much yellow corn and white corn has been planted in the garden.

Draw:**Write:**
